

Margaret Bolton

✉ mabolton@ncsu.edu

Employment History

- 2023 – ···· ■ **Teaching Assistant**, North Carolina State University, Raleigh, NC.
- 2018 – 2022 ■ **Behavioral Researcher**. Center for Advanced Hindsight at Duke University, Durham, NC.
Diagnosed potential barriers to behavior change, designed testable interventions, and analyzed the results of pilots and field experiments using statistical methods. Analyzed large-scale data sets to generate insights on behavior change, using a variety of models, including but not limited to linear regression, survival analysis, binomial and multinomial regression.
- 2018 – 2019 ■ **Teaching Assistant**. Georgia Institute of Technology, Atlanta, GA.
- 2015 – 2017 ■ **Compliance Manager**. Johnson & Johnson (contracted through Artech Information Systems LLC), Remote.
Conducted independent audits of quality system elements at medical device manufacturing sites and design centers and provided feedback on action plans. Analyzed quality data, e.g., field actions, complaints, etc., to find relevant trends and signals and provide recommendations to senior management.
- 2010 – 2014 ■ **Quality Engineer**. Ethicon Sàrl, a Johnson & Johnson Company, Neuchatel, Switzerland.
Site quality lead for process risk assessment, process specification maintenance, development of statistical sampling plans. Project leader for value stream evaluation and project to improve process robustness, compiled and analyzed quality and manufacturing data for manufacturing process steps.
- 2008 – 2010 ■ **Manufacturing Engineer**. Bio-Rad Laboratories, Vacaville, CA.
Managed cross-functional teams to specify, purchase, install, and validate new processing equipment, up to \$700,000 capital expenditure. Designed and performed Measurement System Analysis (MSA) on in-process measurement instrumentation.
- 2005 – 2008 ■ **Equipment/Validation Engineer**. GPSG, a division of ALZA Corp., a Johnson & Johnson Company, Vacaville, CA.
Validation lead of new product launch team, coordinating equipment qualifications in pharmaceutical manufacturing facility. Developed and reviewed qualification and validation testing documentation.

Education





- 2022 – 2028 ■ **Ph.D. Economics, North Carolina State University**
Expected
- 2017 – 2019 ■ **M.Sc. Analytics, Georgia Institute of Technology**
- 2003 – 2006 ■ **M.S. Mechanical Engineering, Georgia Institute of Technology**
- 2000 – 2003 ■ **B.S. Mechanical Engineering, Georgia Institute of Technology**

Research Publications

Journal Articles

- 1 C. Ratcliffe, J. Burke, P. Heck, M. Bolton, and E. Saunders, "Consumer savings app strategies and savings outcomes," Consumer Financial Protection Bureau Office of Research Reports Series, no. 22-9, 2023. [URL: https://ssrn.com/abstract=4398403](https://ssrn.com/abstract=4398403).

Skills

- Languages  Native English speaker. Business-level French.
- Coding  Python, R, MATLAB, SQL, L^AT_EX
- Web Dev  HTML, CSS, JavaScript, Qualtrics survey development.
- Misc.  Academic research, teaching, training, root cause analysis, risk analysis, cognitive biases.